



Attorney Docket No: BTGI-004/02US 020038-2016

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of Nicholas John DORAN *et al.* Confirmation No.: 1140
Serial No.: 10/713,037 Examiner: David J. Lee
Filed: November 17, 2003 Art Unit: 2613
For: **OPTICAL FIBRE COMMUNICATION SYSTEM**

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INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Enclosed is an Information Disclosure Statement and accompanying Form PTO/SB/08 for the above-identified patent application.

- ☐ In accordance with 37 C.F.R. §1.97(b), no additional fee for submission of the IDS is required.
- ☒ In accordance with 37 C.F.R. §1.97(c), also enclosed is:
 - ☒ the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p); or
 - ☐ a statement as specified in 37 C.F.R. §1.97(e).
- ☐ In accordance with 37 C.F.R. §1.97(d), a statement as specified in 37 C.F.R. § 1.97(e) and the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) are also enclosed.
- ☐ Check No. ___ in the amount of \$___ for the total fee is attached.
- ☒ A return receipt postcard is also enclosed.
- ☒ Please charge \$180.00 to Deposit Account No. 50-1283 for the total fee. This paper is being submitted in duplicate.


The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§1.16, 1.17, and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 50-1283.

Dated: September 7, 2007

COOLEY GODWARD KRONISH LLP
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Respectfully submitted,
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By:



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Attorney Docket No: BTGI-004/02US 020038-2016

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**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.97(c)**

In accordance with the duty of disclosure set forth in 37 CFR §1.56, Applicants hereby submit the following information in conformance with 37 CFR §§1.97 and 1.98.

- ☒ Pursuant to 37 CFR §1.98, a copy of each non-US patent document cited in the attached Form PTO/SB/08 is enclosed.
- ☐ No copies of the publications listed on the attached Form PTO/SB/08 are being provided pursuant to 37 CFR §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No. ____ to which the above-identified application claims priority under 35 U.S.C. §120.
- ☒ No copies of any U.S. patents or U.S. patent application publications listed on the attached Form PTO/SB/08 are being provided pursuant to 37 CFR §1.98.
- ☐ Publication(s) ____ listed on the attached Form PTO/SB/08 were cited in a foreign search or examination report corresponding to ____ application serial no. ____ and mailed on ____.
- ☐ Enclosed is a copy of a non-English publication(s) _____. Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).

09/10/2007 MAHME1 00000047 501283 10713037
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- ☐ Enclosed is a copy of a non-English publication(s) _____. English language publication _____ (copy enclosed) claims priority from this non-English publication.
- ☐ Enclosed is an explanation of non-English publication(s) _____ for which an English translation is not available.
- ☒ Enclosed is a partial English translation of Japanese publication No. JP 9-162805 cited in the attached Form PTO/SB/08.
- ☐ Enclosed is a copy of pending patent Application Serial No. _____.

This Information Disclosure Statement is filed after the period specified in 37 CFR § 1.97(b), but before the mailing of a final action under 37 CFR § 1.113; a notice of allowance under 37 CFR § 1.311; or an action that otherwise closes prosecution in this application.

In accordance with 37 CFR § 1.97(c):

- ☒ Fee under 37 CFR § 1.17(p) in the amount of \$180.00 is hereby authorized to be charged to Deposit Account No. 50-1283; or
- ☐ Statement as specified in 37 CFR § 1.97(e):
 - ☐ Each item of information contained in the Information Disclosure Statement cited herein was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or
 - ☐ No item of information contained in the Information Disclosure Statement submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, having made a reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing date of the Information Disclosure Statement.

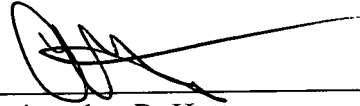
It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08 to the undersigned.

Dated: September 7, 2007

COOLEY GODWARD KRONISH LLP
ATTN: Patent Group
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Respectfully submitted,
COOLEY GODWARD KRONISH LLP

By:



Christopher R. Hutter
Reg. No. 41,087

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PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

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| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | Complete if Known | |
| | | Application Number | 10/713,037 |
| | | Filing Date | November 17, 2003 |
| | | First Named Inventor | Nicholas John Doran |
| | | Group Art Unit | 2613 |
| Examiner Name | David J. Lee | | |
| Sheet | 2 of 3 | Attorney Docket Number | BTGI-004/02US 020038-2016 |

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| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|-----------------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | 19. | JP 9-162805 | 06-20-1997 | Kokusai Denshin Denwa Co. Ltd. | | ✓ (partial) |
| | 20. | EP 0 500 357 B1 | 08-23-1995 | NEC Corporation | | |
| | 21. | EP 0 531 210 B1 | 03-04-1998 | Alcatel | | |
| | 22. | EP 1 000 474 B1 | 05-12-2004 | BTG International Limited | | |
| | 23. | GB 2277651 | 11-02-1994 | British Tech. Group | | |
| | 24. | GB 2 268 018 A | 12-22-1993 | Kokusai Denshin Denwa Co. Ltd. | | |
| | 25. | JP 03-214123 | 09-19-1991 | Nippon Telgr. & Teleph. Corp. Co. Ltd. | | ✓ |
| | 26. | JP 04-335619 | 11-24-1992 | Nippon Telgr. & Teleph. Corp. Co. Ltd. | | ✓ |
| | 27. | JP 04-304432 | 10-27-1992 | Nippon Telgr. & Teleph. Corp. Co. Ltd. | | ✓ |
| | 28. | JP 05-152645 | 06-18-1993 | Hitachi Ltd. & Hitachi Cable Ltd. | | ✓ |
| | 29. | JP 06-018943 | 01-28-1994 | Nippon Telgr. & Teleph. Corp. Co. Ltd. | | |
| | 30. | JP 06-110094 | 04-22-1994 | Kokusai Denshin Denwa Co. Ltd. | | ✓ |
| | 31. | JP 06-258675 | 09-16-1994 | Alcatel NV | | ✓ |
| | 32. | JP 07-183848 | 07-21-1995 | FR Telecom | | ✓ |
| | 33. | JP 8-286219 | 11-01-1996 | Nippon Telgr. & Teleph. Corp. Co. Ltd. | | ✓ |
| | 34. | JP 08-146472 | 06-07-1996 | Nippon Telgr. & Teleph. Corp. Co. Ltd. | | ✓ |
| | 35. | JP 11-512536 | 10-26-1999 | | | |
| | 36. | WO 85/00483 A1 | 01-31-1985 | Nippon Telgr. & Teleph. Corp. Co. Ltd. | | |
| | 37. | WO 97/20403 | 06-05-1997 | British Tech. Group Ltd. | | |
| | 38. | WO 99/07088 | 02-11-1999 | BTG International Ltd. | | |

| OTHER – NON PATENT LITERATURE DOCUMENTS | | | |
|---|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ⁶ |
| | 39. | AGRAWAL, G. P., "Group Velocity Dispersion," Nonlinear Fiber Optics, Second Edition, (1995), Chapter 3. pp. 60-63, 144-145, 150-151, 164-165. | |
| | 40. | ARAHIRA S. et al., "Transform-Limited Optical Short-Pulse Generation at High Repetition Rate Over 40 GHz from a Monolithic Passive Mode-Locked Laser Diode," IEEE Photonics Technology Letters, December 1993, Vol. 5. No. 12, pp. 1362-1365. | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Unique citation designation number (optional). ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | Complete if Known | |
| | | Application Number | 10/713,037 |
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| | | Group Art Unit | 2613 |
| | | Examiner Name | David J. Lee |
| Sheet | 3 of 3 | Attorney Docket Number | BTGI-004/02US 020038-2016 |

| OTHER – NON PATENT LITERATURE DOCUMENTS | | | |
|---|-----------------------|--|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ⁶ |
| | 41. | ATEIH A. K. et al., "Towards All-Optical Ultra-High-Speed Transmission Systems," Electrical and Computer Engineering, 1995, Canadian Conference on Montreal, Quebec, Canada 5-8, Sept. 1995, New York, US, IEEE, Vol. 1, Sept. 5, 1995, pp. 90-92. | |
| | 42. | ATKINSON, D., "Increased Amplifier Spacing in a Soliton System with Quantum-Well Saturable Absorbers and Spectral Filtering," Optics Letters, Oct. 1, 1994, Vol. 19, No. 19, pp. 1514-1516. | |
| | 43. | HAELTERMAN, M. et al., "Generation of Ultrahigh Repetition Rate Soliton Trains in Fibre Ring," Electronics Letters, IEE Stevenage, GB, Jan. 7, 1993, Vol. 29, No. 1, pp. 119-121. | |
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| | 47. | Partial European Search Report for Application No. EP 04 01 9570. | |
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| Examiner Signature | Date Considered |
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